

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1        ①. (previously amended) A hearing aid with a microphone  
2 system (1) and a subsequent analog/digital converter (5),  
3 wherein the microphone system (1) is encapsulated in an  
4 electromagnetic shielding case (3) forming a shielded  
5 microphone system unit and further wherein the analog/digital  
6 converter (5) is mounted on an outside of the electromagnetic  
7 shielding case (3).

1        2. (previously amended) The hearing aid as claimed in  
2 claim 1, wherein the analog/digital converter (5) is  
3 encapsulated in a converter shielding case (7a, 7b) which is  
4 set to the electrical potential of the electromagnetic  
5 shielding case (3) of the microphone system.

1        3. (previously amended) The hearing aid as claimed in  
2 claim 1, wherein the microphone system (1) and the  
3 analog/digital converter (5) are detachably combined in  
4 modular manner.

1        4. (previously amended) The hearing aid as claimed in  
2 claim 1, wherein said analog/digital converter comprises first  
3 and second analog inputs ( $E_1$ ,  $E_2$ ), said first analog input  
4 ( $E_1$ ) having a first input impedance ( $Z_1$ ) and a first input  
5 gain ( $G_1$ ), said second analog input ( $E_2$ ) having a second  
6 input impedance ( $Z_2$ ) and a second input gain ( $G_2$ ), and wherein  
7 either said first and second input impedances ( $Z_1$ ,  $Z_2$ ) are  
8 different from one another or said first and second input  
9 gains ( $G_1$ ,  $G_2$ ) are different from one another.

1           5.   (previously added)   The hearing aid as claimed in  
2 claim 2, wherein the microphone system (1) and the  
3 analog/digital converter (5) are detachably combined in  
4 modular manner.

1           6.   (previously amended)   The hearing aid as claimed in  
2 claim 2, wherein said analog/digital converter comprises first  
3 and second analog inputs ( $E_1$ ,  $E_2$ ), said first analog input  
4 ( $E_1$ ) having a first input impedance ( $Z_1$ ) and a first input  
5 gain ( $G_1$ ), said second analog input ( $E_2$ ) having a second  
6 input impedance ( $Z_2$ ) and a second input gain ( $G_2$ ), and wherein  
7 either said first and second input impedances ( $Z_1$ ,  $Z_2$ ) are  
8 different from one another or said first and second input  
9 gains ( $G_1$ ,  $G_2$ ) are different from one another.

1           7.   (previously amended)   The hearing aid as claimed in  
2 claim 3, wherein said analog/digital converter comprises first  
3 and second analog inputs ( $E_1$ ,  $E_2$ ), said first analog input  
4 ( $E_1$ ) having a first input impedance ( $Z_1$ ) and a first input  
5 gain ( $G_1$ ), said second analog input ( $E_2$ ) having a second  
6 input impedance ( $Z_2$ ) and a second input gain ( $G_2$ ), and wherein  
7 either said first and second input impedances ( $Z_1$ ,  $Z_2$ ) are  
8 different from one another or said first and second input  
9 gains ( $G_1$ ,  $G_2$ ) are different from one another.

1           ⑧ (previously added)   A hearing aid comprising:  
2           a microphone;  
3           an electromagnetic shielding case for encapsulating said  
4           microphone; and  
5           an analog/digital converter mounted on an outside of said  
6           electromagnetic shielding case and  
7           electromagnetically shielded from said microphone.

8            9 (new) A hearing aid comprising:  
9            a microphone;  
10           an electromagnetic shielding case for encapsulating said  
11           microphone; and  
12           an analog/digital converter mounted in such a manner that  
13           it is electromagnetically shielded from said  
14           microphone.

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